

NON-MEDIA TYPE SPECIFIC SCALABILITY ATTRIBUTES AND DATA STRUCTURE INFORMATION

SCALABLE ENCODED MEDIA DATA ARRANGED IN A NON-MEDIA TYPE SPECIFIC INDEXABLE DATA STRUCTURE

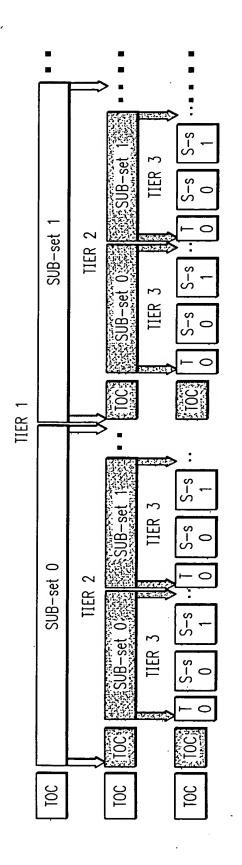


FIG. 2A

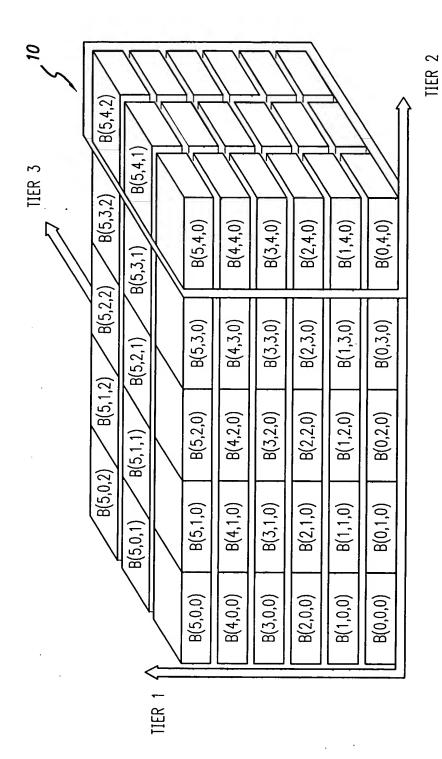


FIG. 2B

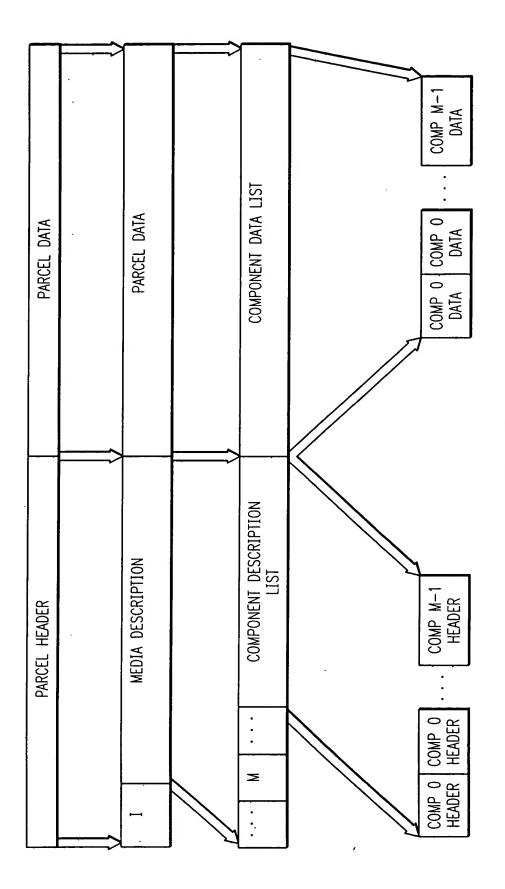


FIG. 3A

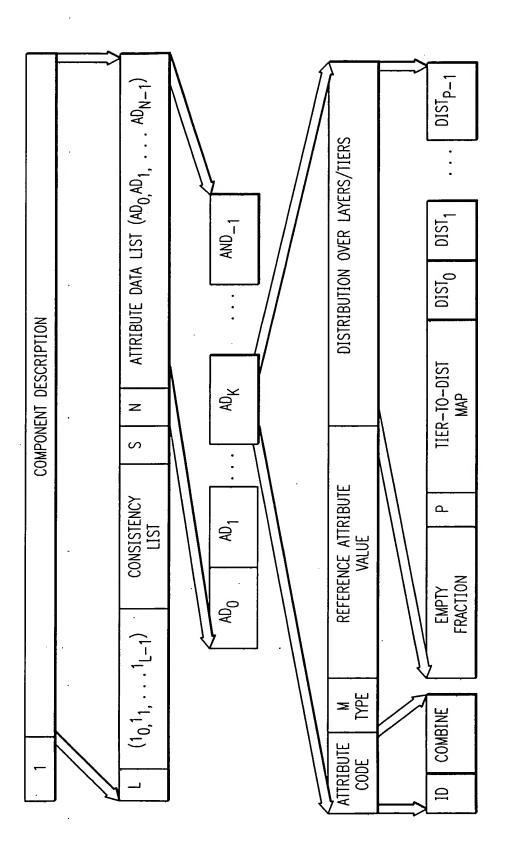
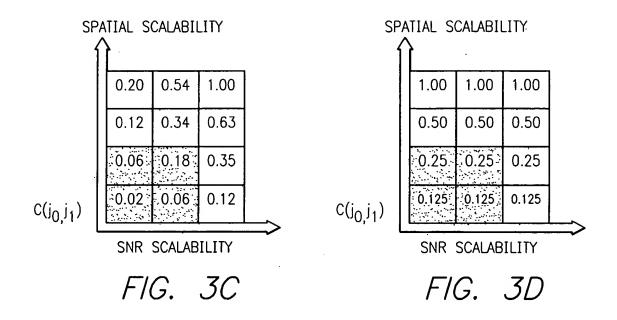


FIG. 3B



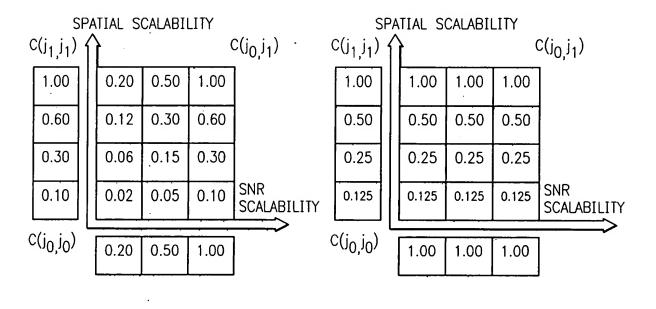
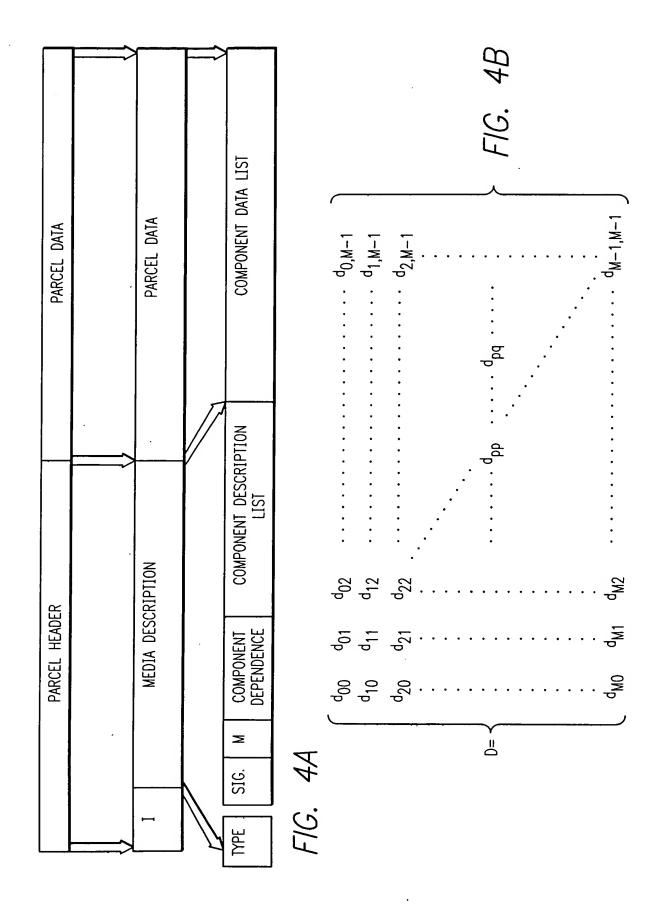
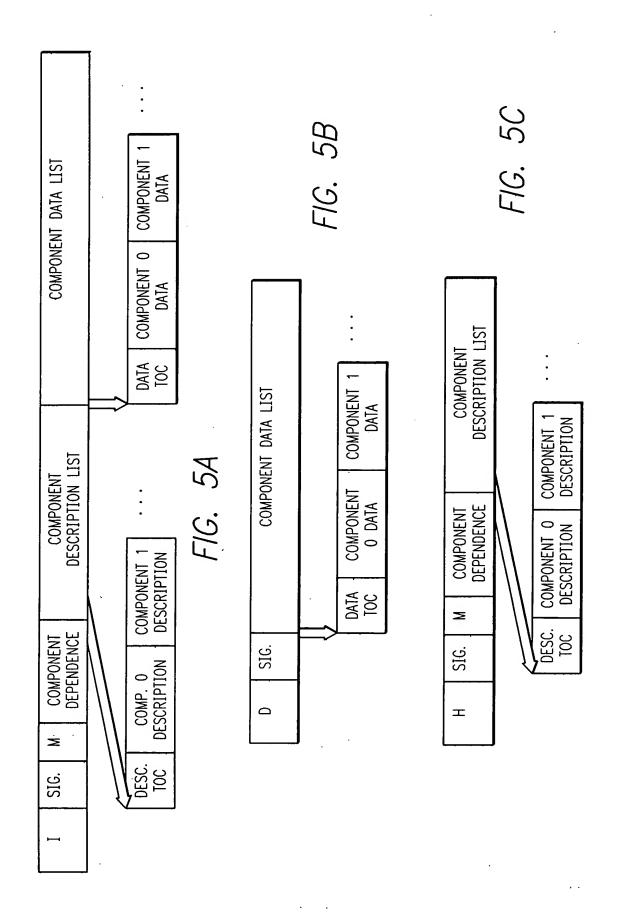


FIG. 3F

FIG. 3E





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FORMATTING ORIGINAL SCALABLE ENCODED MEDIA DATA IN A FORMAT INCLUDING A FIRST PORTION CORRESPONDING TO NON-MEDIA TYPE SPECIFIC SCALABILITY ATTRIBUTES AND SECOND PORTION DATA STRUCTURE INFORMATION AND A SECOND PORTION CORRESPONDING TO THE ORIGINAL SCALABLE ENCODED MEDIA DATA ARRANGED IN A NON-MEDIA TYPE SPECIFIC INDEXABLE DATA STRUCTURE

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PROVIDING INFORMATION CORRESPONDING TO RECEIVING ATTRIBUTES OF AT LEAST ONE TYPE OF SCALABLE ENCODED MEDIA BY A MEDIA DESTINATION

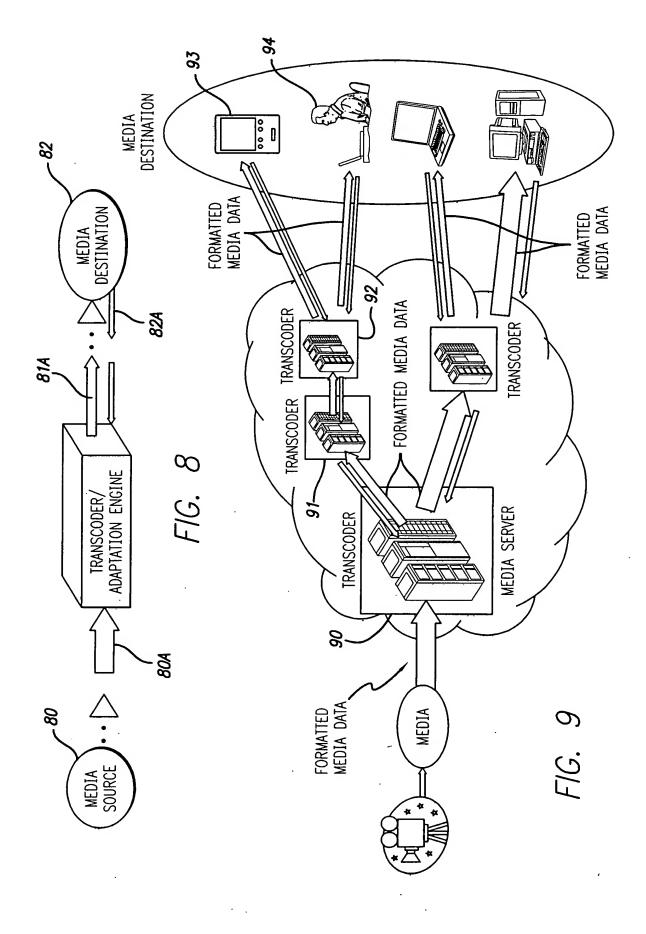
*62* 

TRANSCODING THE FORMATTED ORIGINAL SCALABLE ENCODED MEDIA DATA PRIOR TO DELIVERY TO THE MEDIA DESTINATION BASED ON MATCHING THE SCALABILITY ATTRIBUTES AND THE RECEIVING ATTRIBUTES TO GENERATE A SCALED VERSION OF THE FORMATTED ORIGINAL SCALABLE ENCODED MEDIA DATA ADAPTED TO THE RECEIVING ATTRIBUTES OF THE MEDIA DESTINATION

FIG. 6

70 RECEIVING FORMATTED SCALABLE MEDIA BIT-STREAM INCLUDING A FIRST PORTION CORRESPONDING TO NON-MEDIA TYPE SPECIFIC SCALABILITY ATTRIBUTES OF THE ORIGINAL ENCODED MEDIA DATA AND SECOND PORTION DATA STRUCTURE INFORMATION AND A SECOND PORTION CORRESPONDING TO THE ORGINAL SCALABLE ENCODED MEDIA DATA INCLUDING A PLURALITY OF BIT-STREAM SUBSETS ARRANGED IN A NON-MEDIA TYPE SPECIFIC INDEXABLE DATA STRUCTURE RECEIVING INFORMATION CORRESPONDING TO RECEIVING ATTRIBUTES OF A MEDIA DESTINATION OF AT LEAST ONE TYPE OF SCALABLE ENCODED MEDIA COMPARING THE SCALABILITY ATTRIBUTES AND THE RECEIVING ATTRIBUTES PERFORMING ONE OF TRUNCATION, DROPPING, AND REPACKING OF THE BIT-STREAM SUBSETS DEPENDENT ON THE COMPARISON TO GENERATE A SCALED VERSION OF THE FORMATTED ORIGINAL SCALABLE ENCODED MEDIA DATA ADAPTED TO THE MEDIA DESTINATION

FIG. 7



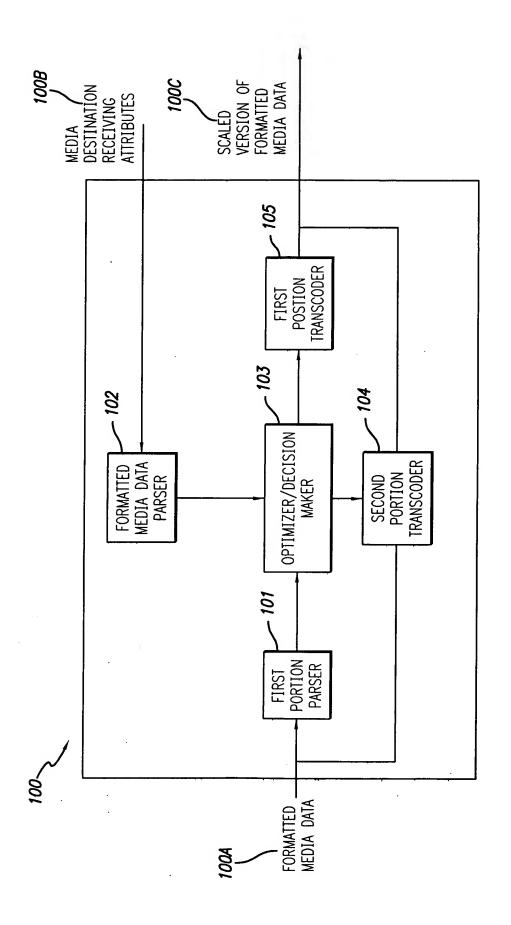
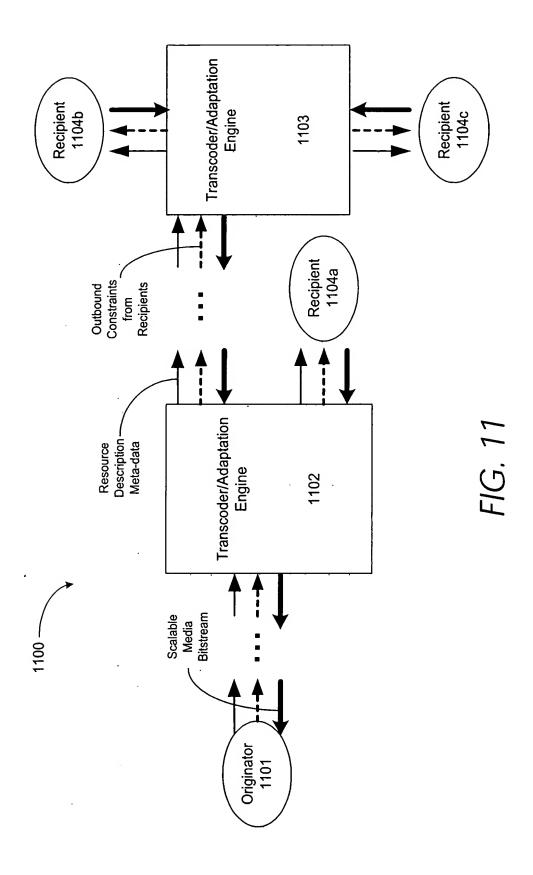


FIG. 10



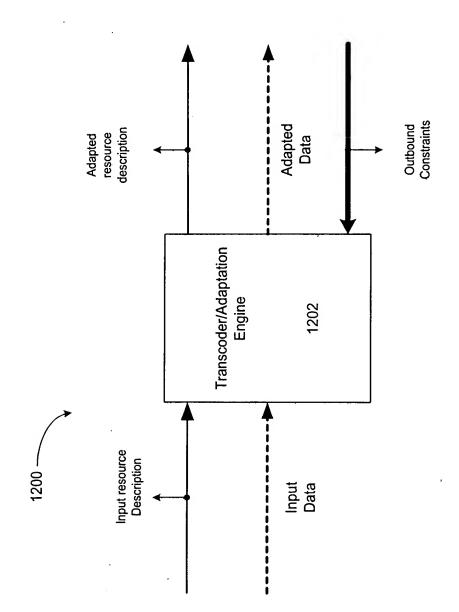


FIG. 12

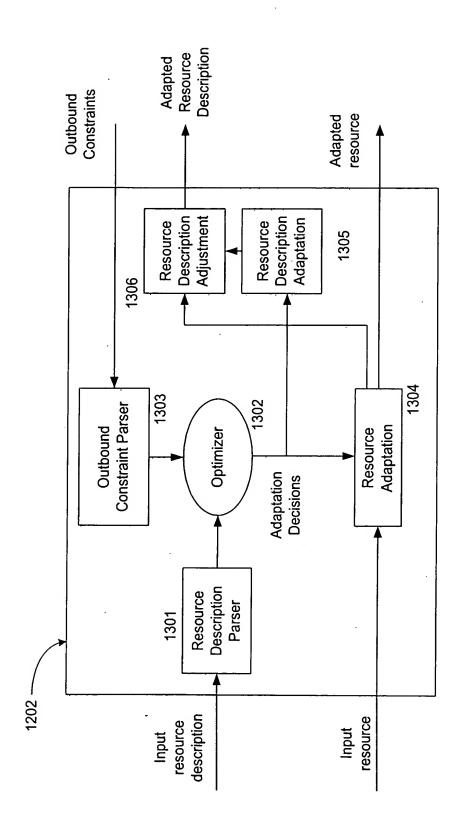


FIG. 13

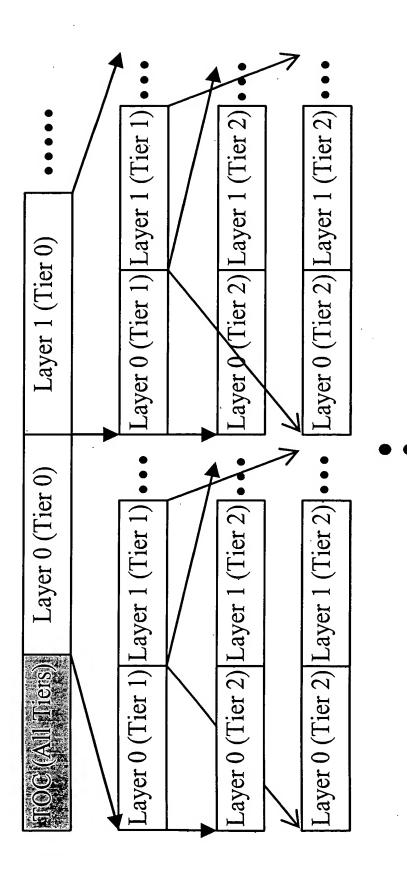


FIG. 14

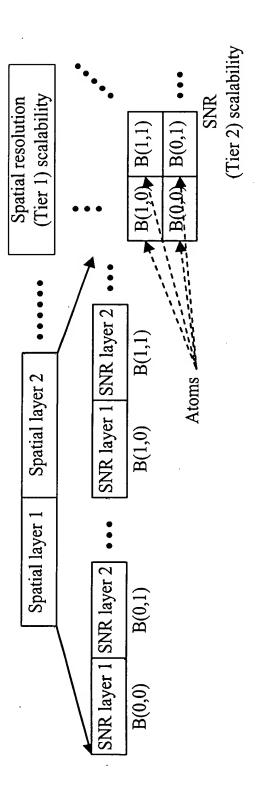


FIG. 15

FIG. 16

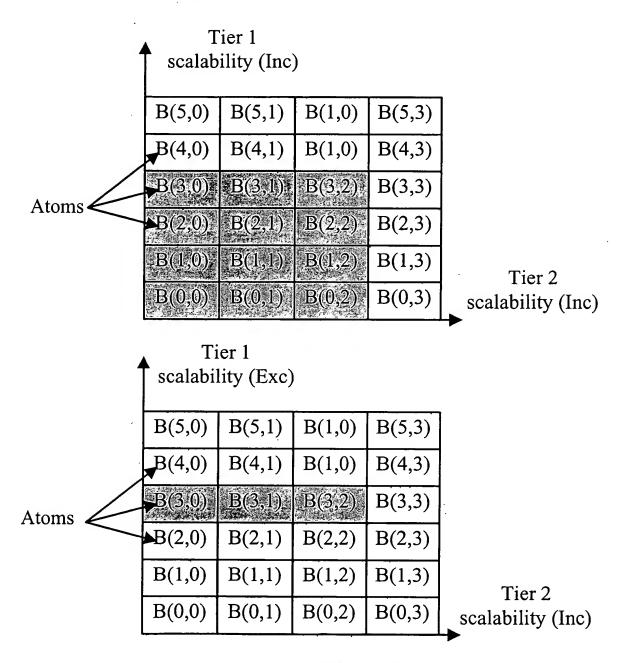


FIG. 17

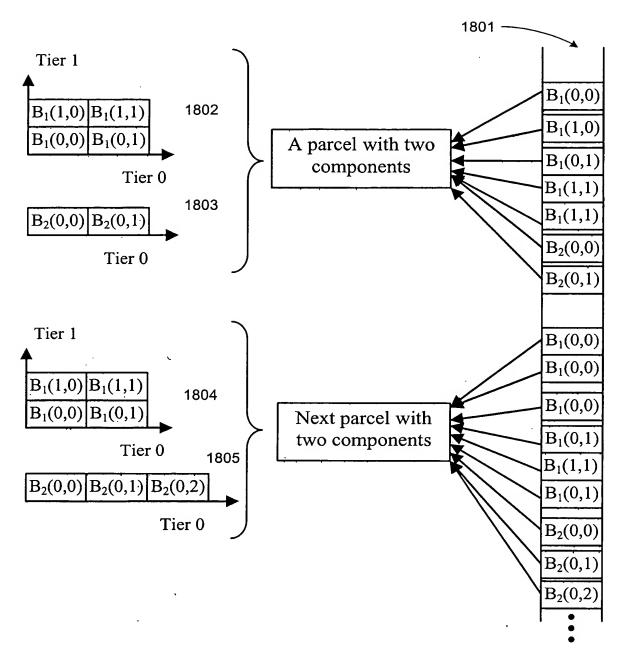


FIG. 18

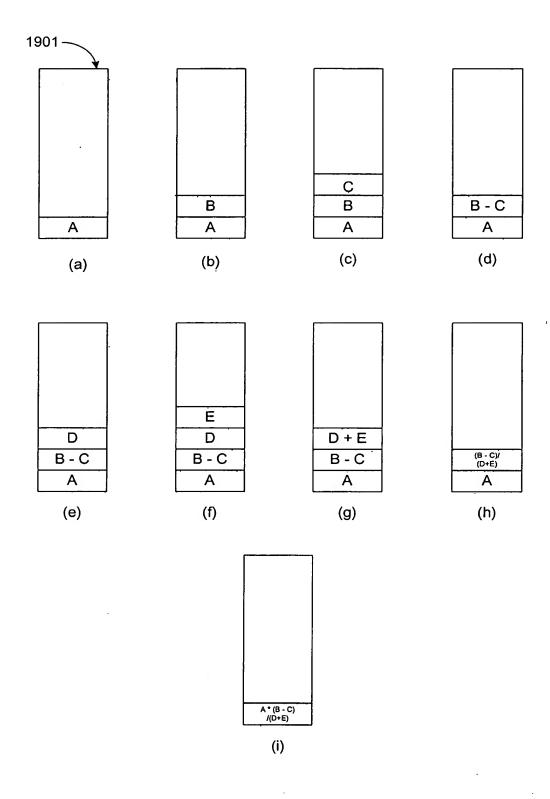


FIG. 19

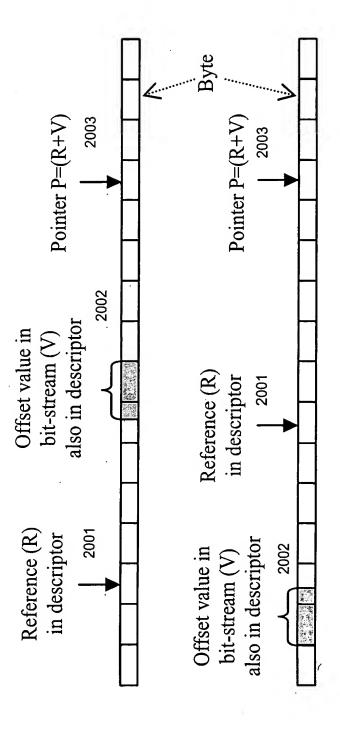
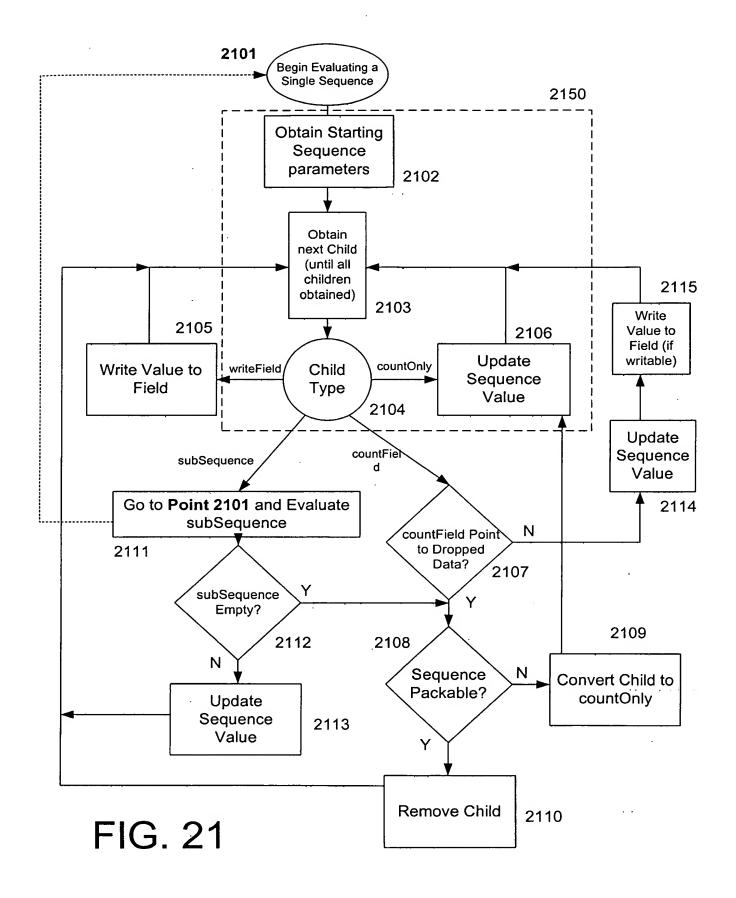


FIG. 20



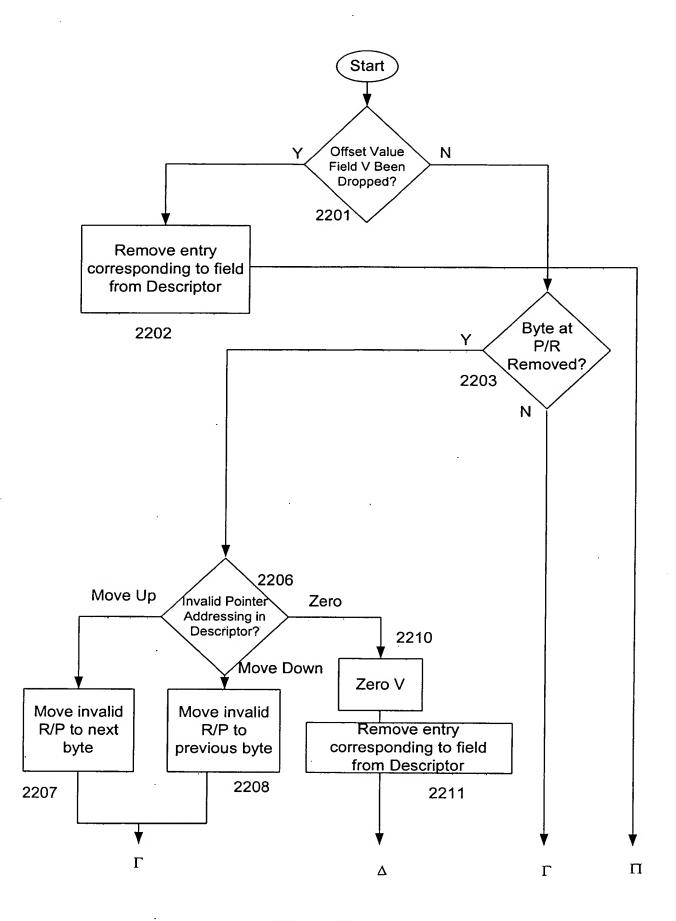


FIG. 22A

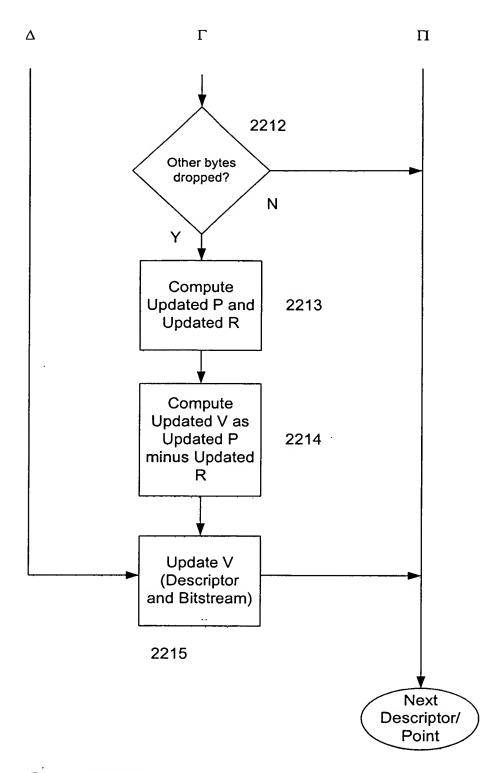
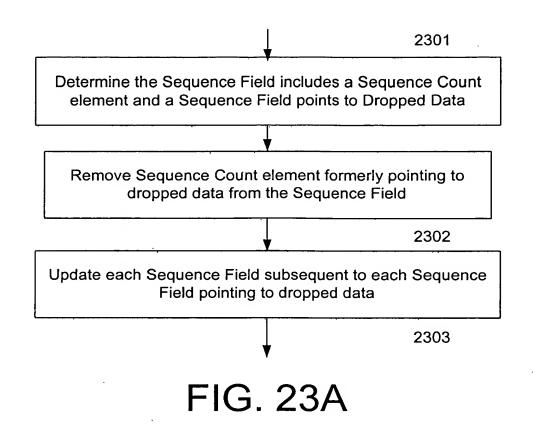


FIG. 22B



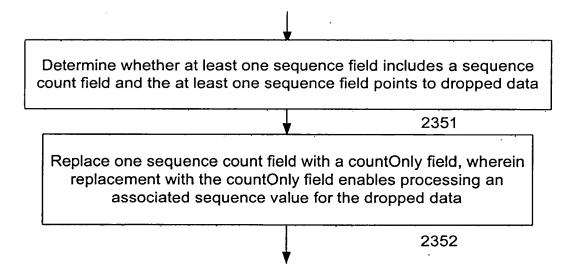


FIG. 23B

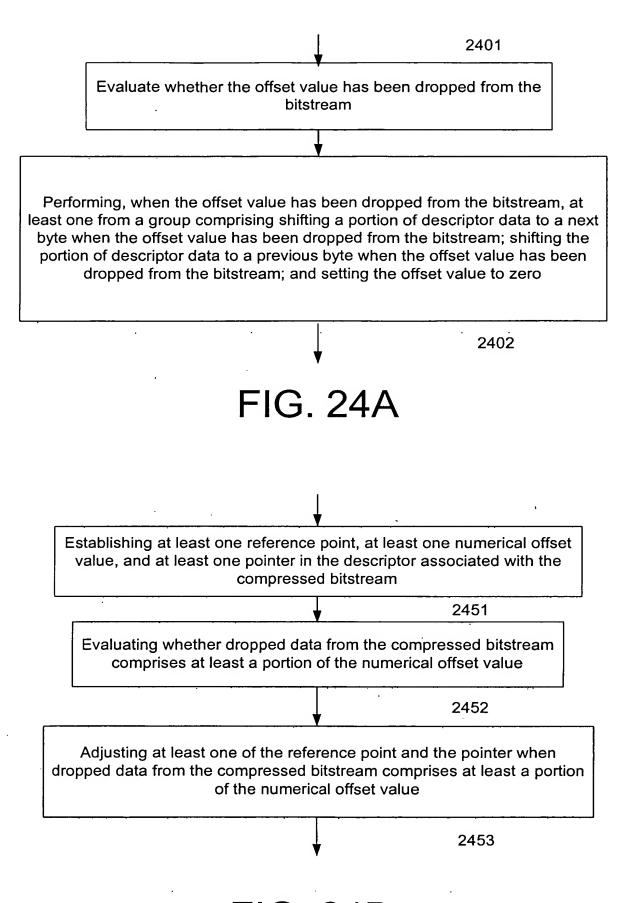
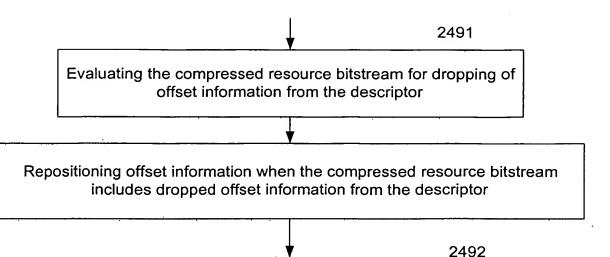


FIG. 24B

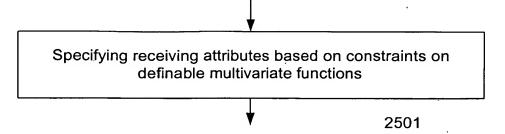


## FIG. 24C

Specifying an expression for the function using an ordered list of numeric constants, variables, arguments, and operators pushed into an expression stack to evaluate the expression, wherein the method employs a markup language

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FIG. 25D



## **FIG. 25A**

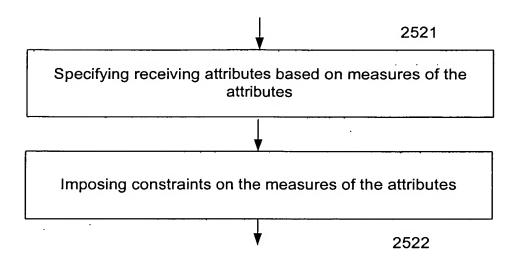


FIG. 25B

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Specifying an expression for the function using an ordered list of numeric constants, variables, arguments, and operators pushed into an expression stack to evaluate the expression, wherein the functions comprise at least one from a group comprising constraints applied by the adaptation engine, sequence field operations, and offset length calculations

FIG. 25C